

SUMMARYPROCESS FOR THE "IN SITU" MANUFACTURING OF EXPLOSIVE
MIXTURES

5 The manufacture is carried out in a continuous
manner simultaneous to the filling of the shot holes, in
a mixer, preferably a rotating mixer, wherein a water-
based, non-explosive or low sensitivity matrix, an air
bubble stabilizing agent, and optionally, an oxidant in
10 granular form and a combustible material are mixed
together. The nature of the water-based matrix, together
with the use of an air bubble stabilizing agent, allows
the incorporation of air during the mixing, regulating
the density of the final product and acting on the
15 variables of the process. On coming out of the mixer, the
explosive is totally sensitized and has reached its final
density, allowing for quality control before filling the
shot hole. The process may be carried out on the
explosives pumping truck, with compartments for the
20 transportation of a water-based matrix, an oxidant in
granular form, a combustible material and a gas bubble
stabilizing agent.